

## SEQUENCE LISTING

<110> Taylor, Diane  
Wang, Ge  
Palcic, Monica

<120> ALPHA 1,2-FUCOSYLTRANSFERASE

<130> 07254-061002

<140> US 09/848,838

<141> 2001-05-03

<150> US 09/433,598

<151> 1999-11-02

<150> US 60/107,268

<151> 1998-11-04

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aaaacaaagg ggttga atg gct ttt aaa gtg gtg caa att tgt ggg ggg ctt      172
          Met Ala Phe Lys Val Val Gln Ile Cys Gly Gly Leu
              1             5             10

ggg aat caa atg ttt caa tac gct ttc gct aaa agt ttg caa aaa cac      220
Gly Asn Gln Met Phe Gln Tyr Ala Phe Ala Lys Ser Leu Gln Lys His
          15             20             25

ctt aat acg ccc gtg cta tta gac act act tct ttt gat tgg agc aat      268
Leu Asn Thr Pro Val Leu Leu Asp Thr Thr Ser Phe Asp Trp Ser Asn
          30             35             40

agg aaa atg caa tta gag ctt ttc cct att gat ttg ccc tat gcg aat      316
Arg Lys Met Gln Leu Glu Leu Phe Pro Ile Asp Leu Pro Tyr Ala Asn
          45             50             55             60

gca aaa gaa atc gct ata gct aaa atg caa cat ctc ccc aag tta gta      364
Ala Lys Glu Ile Ala Ile Ala Lys Met Gln His Leu Pro Lys Leu Val
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 Val Leu Leu Asp Thr Thr Ser Phe Asp Trp Ser Asn Arg Lys Met Gln  
 35 40 45  
 Leu Glu Leu Phe Pro Ile Asp Leu Pro Tyr Ala Asn Ala Lys Glu Ile  
 50 55 60  
 Ala Ile Ala Lys Met Gln His Leu Pro Lys Leu Val Arg Asp Ala Leu  
 65 70 75 80  
 Lys Tyr Ile Gly Phe Asp Arg Val Ser Gln Glu Ile Val Phe Glu Tyr  
 85 90 95  
 Glu Pro Lys Leu Leu Lys Pro Ser Arg Leu Thr Tyr Phe Phe Gly Tyr  
 100 105 110  
 Phe Gln Asp Pro Arg Tyr Phe Asp Ala Ile Ser Ser Leu Ile Lys Gln  
 115 120 125  
 Thr Phe Thr Leu Pro Pro Pro Glu Asn Asn Lys Asn Asn Asn Lys  
 130 135 140  
 Lys Glu Glu Glu Tyr Gln Arg Lys Leu Ser Leu Ile Leu Ala Ala Lys  
 145 150 155 160  
 Asn Ser Val Phe Val His Ile Arg Arg Gly Asp Tyr Val Gly Ile Gly  
 165 170 175  
 Cys Gln Leu Gly Ile Asp Tyr Gln Lys Lys Ala Leu Glu Tyr Met Ala  
 180 185 190  
 Lys Arg Val Pro Asn Met Glu Leu Phe Val Phe Cys Glu Asp Leu Lys  
 195 200 205  
 Phe Thr Gln Asn Leu Asp Leu Gly Tyr Pro Phe Thr Asp Met Thr Thr  
 210 215 220  
 Arg Asp Lys Glu Glu Glu Ala Tyr Trp Asp Met Leu Leu Met Gln Ser  
 225 230 235 240  
 Cys Lys His Gly Ile Ile Ala Asn Ser Thr Tyr Ser Trp Trp Ala Ala  
 245 250 255  
 Tyr Leu Met Glu Asn Pro Glu Lys Ile Ile Ile Gly Pro Lys His Trp  
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 275 280 285  
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 aacagcgtgt ttgtgcatat aagaagaggg gattatgtgg ggattggctg tcagcttggt 180  
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 cagcgtatatt gtgcatataa gaagagggga ttatgtggga ttggctgtca gcttggtatt 180  
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<213> *Lactococcus lactis*

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